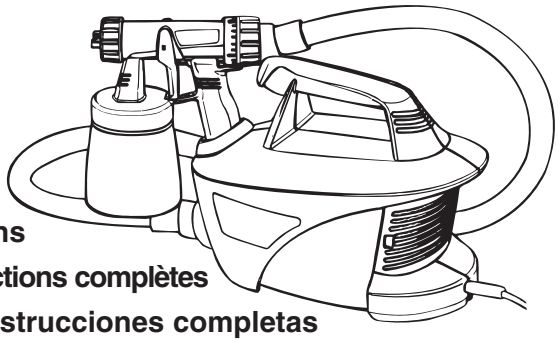
WAGNER®

The Painting People™



# FINE SPRAY™

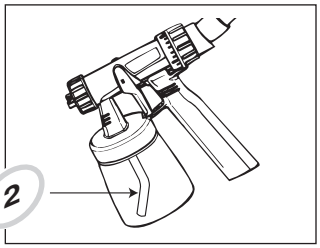
**OWNER'S MANUAL • Read this manual for complete instructions**

**MANUEL DE L'UTILISATEUR • Lire ce manuel pour obtenir les instructions complètes**

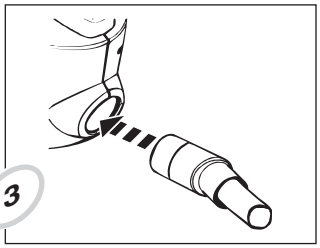
**MANUAL DEL PROPRIETARIO • Lea este manual para obtener instrucciones completas**

## SETUP/USE • MONTAGE/UTILISATION • DISPOSICIÓN/USO :

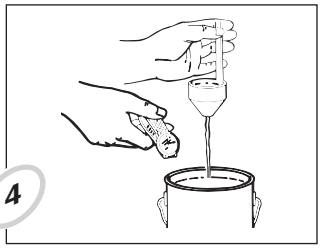
Read all warnings!
Lire toutes les mises en garde!
¡Lea todas las advertencias!



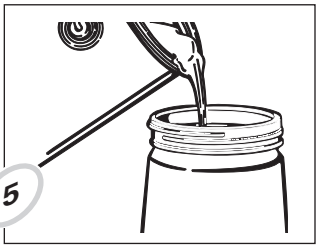
Attach and align suction tube
Raccorder et aligner le tube d'aspiration
Conecte y alinee el tubo de succión



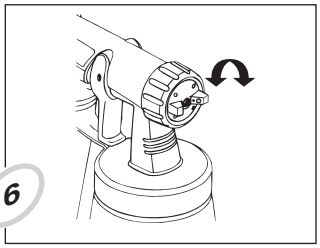
Attach air hose
Raccorder le boyau d'air
Conecte la manguera de aire



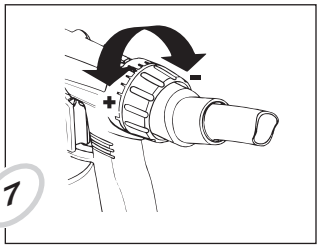
Paint preparation
Préparation du produit
Preparación de la material



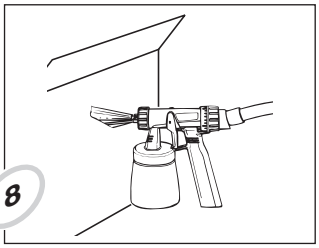
Fill container
Remplir le godet
Llene el recipiente



Adjust spray pattern
Régler la configuration du jet
Ajuste el patrón de dispersión

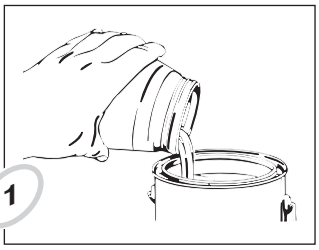


Adjust material flow
Ajuster le débit du matériel
Ajuste el flujo del material

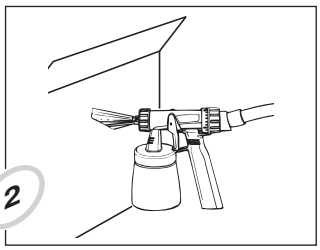


Practice
Pratiquez
Practique

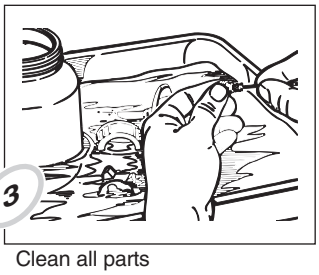
## CLEANUP • NETTOYAGE • LIMPIEZA :



Pour remaining material into container
Transvider le reste du produit dans le contenant
Vierta la material restante en la lata

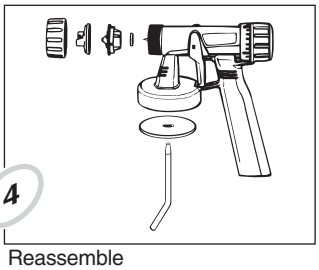


Spray appropriate cleaner through gun
Faites circuler un dissolvant approprié dans le pistolet pour le nettoyer
Atomice un solvente apropiado para limpiar la pistola



Clean all parts
Nettoyer toutes les pièces

Limpie todos la componentes



Reassemble
Remonter le pistolet

Vuelva a armar la pistola

Need help? Call us first for answers fast.
Call Wagner toll-free if you have any comments or problems with this Wagner product.

**1-800-328-8251**

Wagner Technical Service
Or visit us on the world wide web!
http://www.wagnerspraytech.com
1770 Fernbrook Lane, Minneapolis, MN 55447

Besoin d'aide? Appelez-nous pour de réponses rapidas. Telephonez à Wagner sans frais d'appel si vous avez des commentaires ou des difficultés relativement à ce produit.

**1-800-328-8251**

Wagner Technical Service
Ou rendez-nous visite sur le Web!
http://www.wagnerspraytech.com
1770 Fernbrook Lane, Minneapolis, MN 55447

¿Necesita ayuda? Llámenos primero para obtener respuestas rápidas. Si tiene cualquier comentario sobre este producto Wagner o problemas con el mismo llame gratis a Wagner.

**1-800-328-8251**

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1770 Fernbrook Lane, Minneapolis, MN 55447

0305 • Form No. 0414852B

Español Français English

# SAFETY INFORMATION • READ ALL SAFETY INFORMATION BEFORE OPERATING THE EQUIPMENT

## ⚠WARNING

**HAZARD: EXPLOSION OR FIRE**

Solvent and paint fumes can explode or ignite. Severe injury or property damage can occur.

**PREVENTION:**

- Provide extensive exhaust and fresh air introduction to keep the air within the spray area free from accumulation of flammable vapors.
- Avoid all ignition sources such as static electric sparks, open flames, pilot lights, electrical appliances, and hot objects. Connecting or disconnecting power cords or working light switches can make sparks.

- Do not smoke in spray area.
- Fire extinguisher must be present and in good working order.
- Place turbine in a well-ventilated area at a maximum distance from spray area, preferably into a separate, well-ventilated room. Flammable vapors are often heavier than air. Floor area must be extremely well-ventilated. The turbine contains arcing parts that emit sparks and can ignite vapors.
- Follow the material and solvent manufacturer's warnings and instructions.
- Do not use materials with a flashpoint below 73°F (22.7°C). Flashpoint is the temperature that a fluid can produce enough vapors to ignite.
- Plastic can cause static sparks. Never hang plastic to enclose the spray area. Do not use plastic drop cloths when spraying flammable materials.

## ⚠WARNING

**HAZARD: EXPLOSION HAZARD DUE TO INCOMPATIBLE MATERIALS.**

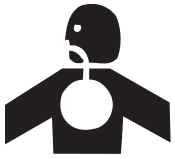
Will cause property damage or severe injury.

**PREVENTION:**

- Do not use materials containing bleach or chlorine.
- Do not use halogenated hydrocarbon solvents such as bleach, mildewcide, methylene chloride and 1,1,1--trichloroethane. They are not compatible with aluminum.
- Contact your coating supplier about the compatibility of material with aluminum.

## ⚠WARNING

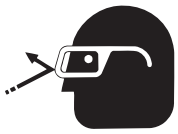
**HAZARD: HAZARDOUS VAPORS**



**Paints, solvents, insecticides, and other materials can be harmful if inhaled or come in contact with the body. Vapors can cause severe nausea, fainting, or poisoning.**

**PREVENTION:**

- Use a respirator or mask if vapors can be inhaled. Read all instructions supplied with the mask to be sure it will provide the necessary protection.



- Wear protective eyewear.
- Wear protective clothing as required by coating manufacturer.

## ⚠WARNING

**HAZARD: GENERAL**

**Can cause severe injury or property damage.**

**PREVENTION:**

- Read all instructions and safety precautions before operating equipment.
- Follow all appropriate local, state, and national codes governing ventilation, fire prevention, and operation.
- The United States Government Safety Standards have been adopted under the Occupational Safety and Health Act (OSHA). These standards, particularly part 1910 of the General Standards and part 1926 of the Construction Standards should be consulted.
- Use only manufacturer authorized parts. User assumes all risks and liabilities when using parts that do not meet the minimum specifications and safety devices of the turbine manufacturer.
- Power cord must be connected to a grounded circuit.
- All hoses, swivels, guns and accessories must be rated at or above 10 PSI.
- Do not spray outdoors on windy days.
- Wear protective clothing to keep paint off skin and hair.
- Never aim spray gun at any part of the body.
- Hose may become hot and cause skin burn.
- Use only Wagner HVLP hose.

**This product is intended for home use.**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# SAFETY INFORMATION • READ ALL SAFETY INFORMATION BEFORE OPERATING THE EQUIPMENT

## IMPORTANT ELECTRICAL INFORMATION

**⚠CAUTION**

Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A 14 or 12 gauge cord is recommended. If an extension cord is to be used outdoors, it must be marked with the suffix W-A after the cord type designation. For example, a designation of SJTW-A would indicate that the cord would be appropriate for outdoor use.

## GROUNDING INSTRUCTIONS

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

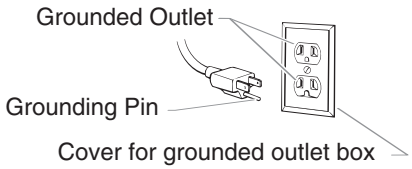
**⚠WARNING**

**DANGER--Improper installation of the grounding plug can result in a risk of electric shock.**

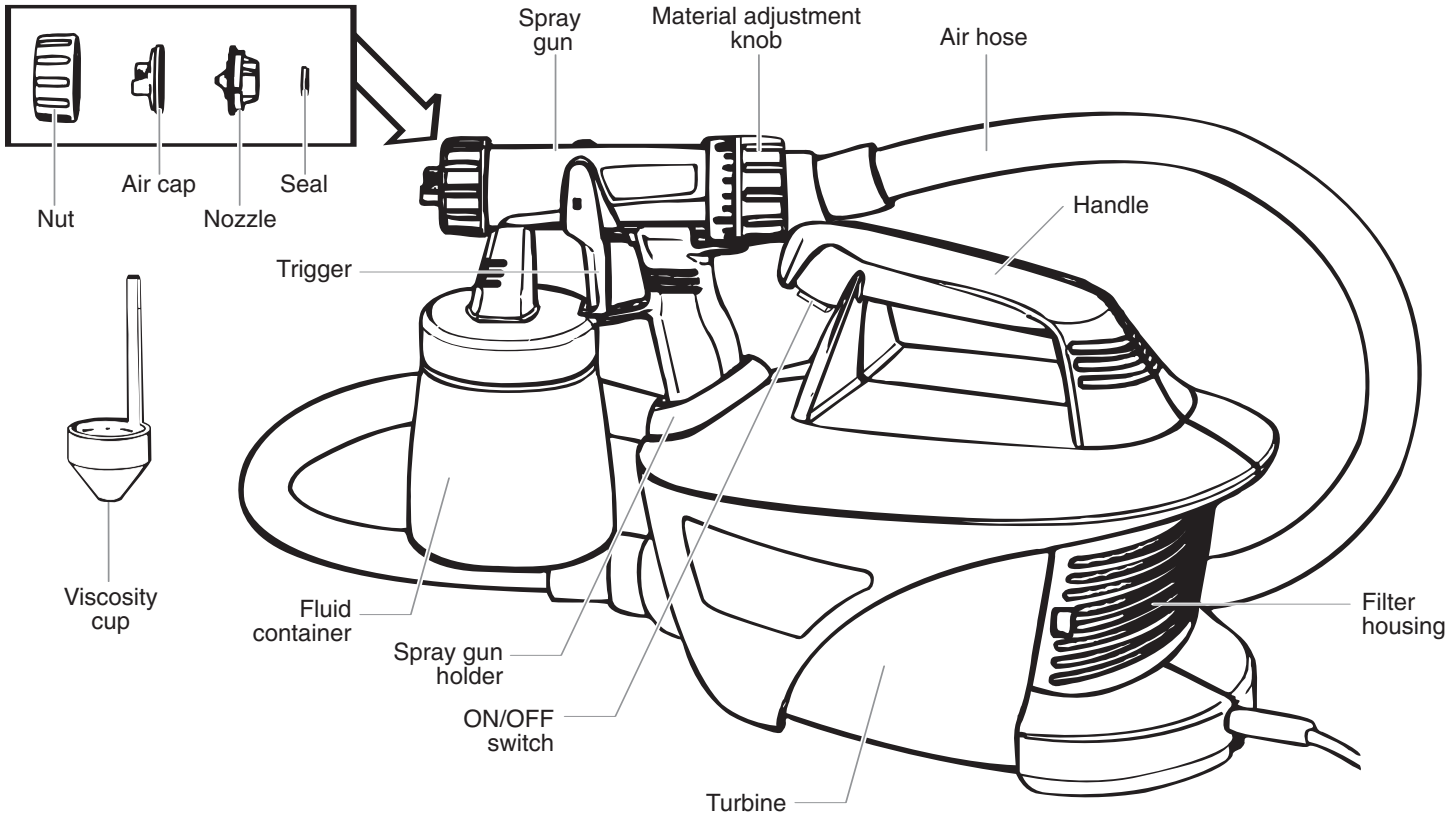
If repair or replacement of the cord or plug is necessary, do not connect the green grounding wire to either flat blade terminal. The wire with insulation having a green outer surface with or without yellow stripes is the grounding wire and must be connected to the grounding pin.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

This product is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated below. Make sure that the product is connected to an outlet having the same configuration as the plug.




# COMPONENTS

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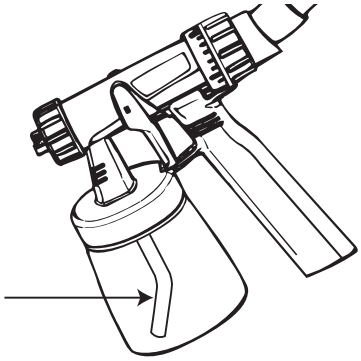
# SETUP

## ATTACHING THE AIR HOSE

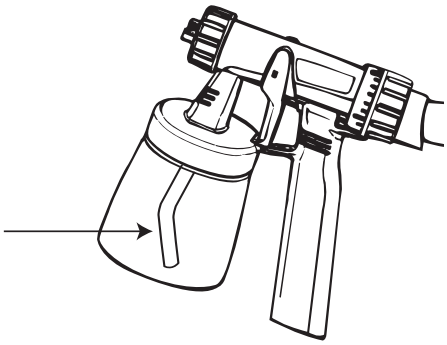
1. Insert the air hose tightly into the connections onto the spray gun **(a)** and the turbine **(b)**. The connections can be positioned as desired.

## ALIGNING THE SUCTION TUBE

**If you are going to be spraying in a downward direction, the angled end of the suction tube should be pointing toward the front of the gun.**



**If you are going to be spraying in an upward direction, the angled end of the suction tube should be pointing toward the rear of the gun.**



**By pointing the suction tube in the proper direction, you will not have to refill the container as often.**

## MATERIAL PREPARATION

**Before spraying, the material being used may need to be thinned with the proper solvent as specified by the material manufacturer. Follow the instructions below.**

1. Stir the spraying material thoroughly before measuring viscosity.
2. Dip the viscosity test cup completely into the spraying material.

3. Hold the test cup up and measure the time in seconds until the liquid empties out. This time is referred to below as **Runout Time.**

| Thinning Chart | |
|---|---|
| **Material** | **Runout Time** |
| 1) Oil enamel | 25-40 |
| 2) Oil based primer | 30-45 |
| 3) Oil stain | No thinning required |
| 4) Clear sealer | No thinning required |
| 5) Polyurethane | No thinning required |
| 6) Varnish | 20-50 |
| 7) Lacquer sanding sealer | 25-35 |
| 8) Lacquer | 25-35 |
| 9) Automotive finishes | 20-40 |

**Material to be sprayed should always be strained to remove any impurities in the paint which may enter and clog the system. Impurities in the paint will give poor performance and a poor finish.**

**⚠WARNING**

**MATERIAL FLASH POINT MUST BE 73°F (22.7°C) OR HIGHER.**

## FILL CONTAINER

1. Unscrew the cup from the spray gun.
2. After the material has been properly thinned and strained, fill the container to the top of the neck.

3. Carefully screw the cup back onto the spray gun.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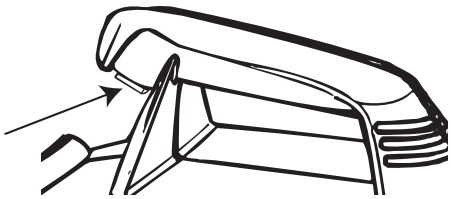
# SPRAYING

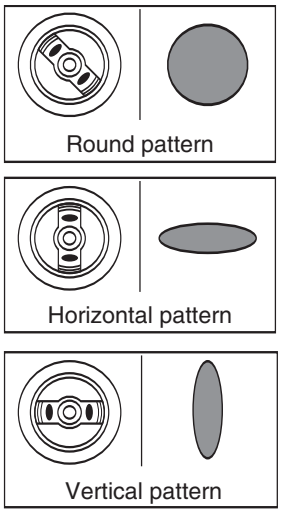
## ON/OFF SWITCH

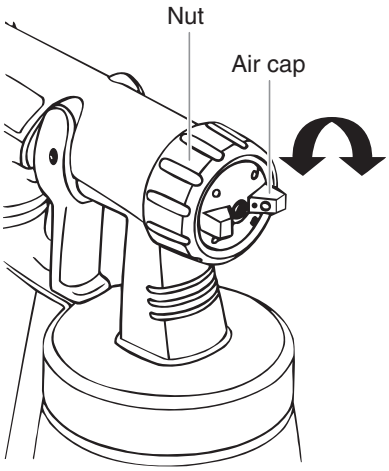
**The ON/OFF switch is located underneath the end of the carrying handle on the turbine as shown below.**



## ADJUST SPRAY PATTERN

**The spray pattern shape is adjusted by turning the ears of the air cap to either the vertical, horizontal, or diagonal positions. The positions of the air cap and the corresponding spray pattern shapes are illustrated below. Test each pattern and use whichever pattern is suitable for your application.**



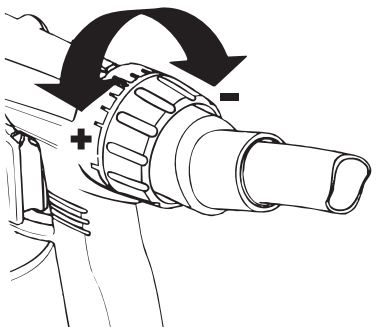




**⚠WARNING**

**NEVER trigger the gun while adjusting the ears on the air cap.**
**NEVER point the spray gun at any part of the body.**

## MATERIAL FLOW ADJUSTMENT

**Set the material volume by turning the regulator on the rear part of the gun spray gun. A scale on the regulator serves as a guide.**




## PROPER SPRAYING TECHNIQUE

**If spraying with an HVLP spray system is new or unfamiliar to you, it is advisable to practice on a piece of scrap wood or cardboard before beginning on your intended workpiece.**

### SURFACE PREPARATION

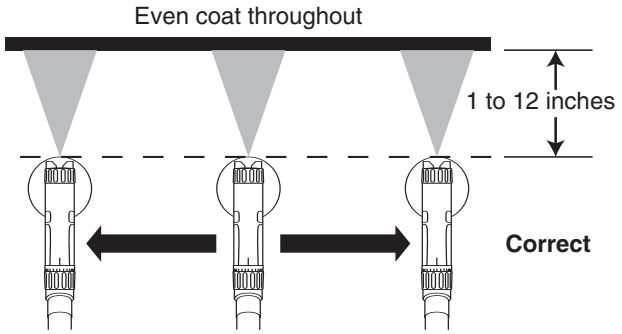
All objects to be sprayed should be thoroughly cleaned before spraying material on them. Areas not to be sprayed may, in certain cases, need to be masked.

### SPRAY AREA PREPARATION

When spraying indoors, the spray area must be clean and free of dust in order to avoid blowing dust onto your freshly sprayed surface.

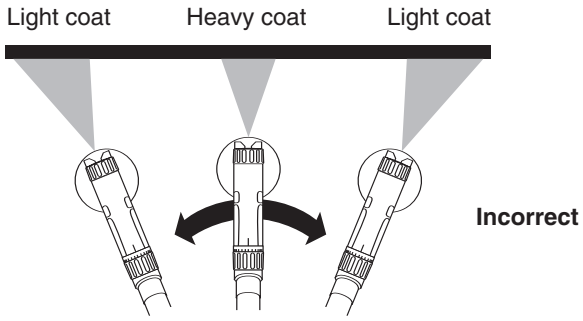
### HOW TO SPRAY PROPERLY

- Position the spray gun perpendicular to and one (1) or more inches from the spray surface, depending upon the spray pattern size desired.
- Spray parallel to the surface with smooth passes at a consistent speed as illustrated below. Doing this will help avoid irregularities in the finish (i. e. runs and sags).
- Always apply a thin coat of material on the first pass and allow to dry before applying a second, slightly heavier coat.




Keep stroke smooth and at an even speed

- When spraying, always trigger the spray gun after spray pass has begun and release trigger before stopping the pass. The best results occur when making 20-inch passes. Always keep the gun pointed squarely at the spray surface and overlap passes slightly to obtain the most consistent and professional finish possible.




Do not flex wrist while spraying.

**When you quit spraying for any length of time, turn the turbine OFF and place the spray gun into the spray gun holder on the turbine.**

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# CLEANUP

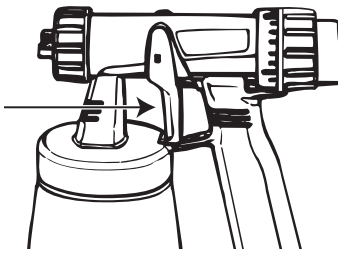
## CLEANING THE SPRAY GUN

**⚠WARNING**

**Special cleanup instructions for use with flammable solvents:**

- Always flush spray gun preferably outside and at a hose length from turbine.
- Area must be free of flammable vapors.
- Cleaning area must be well-ventilated.

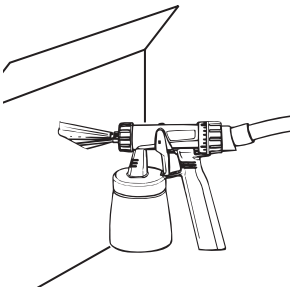
1. Turn the turbine OFF.
2. Trigger the spray gun so that the material inside the spray gun flows back into the container.



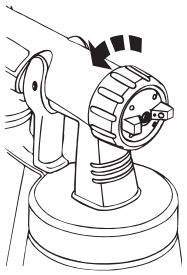
3. Unscrew the container. Empty any remaining material back into the material container.

4. Pour a small amount of the appropriate cleaning solution into the cup (warm, soapy water for latex materials; mineral spirits for oil-based materials). Clean cup and properly dispose of cleaning solution.

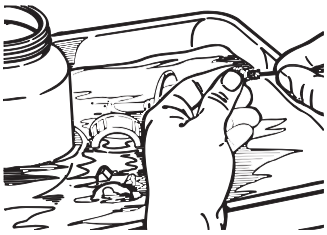
5. Pour a small amount of the appropriate cleaning solution into the cup.
6. Attach the cup to the gun, turn on the turbine, spray the solution through the gun for two seconds in a safe area. Spray again for two seconds. Properly dispose of remaining cleaning solution.



7. Turn turbine OFF.
8. Wipe the exterior of the cup and gun until clean.
9. Unscrew the nut and remove the air cap and nozzle.



10. Clean the container, suction tube, air cap and nozzle with a cleaning brush and the appropriate cleaning solution.



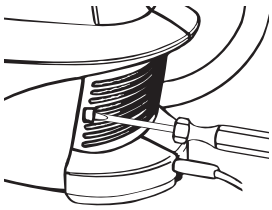
**⚠CAUTION**

**Never clean nozzle or air holes in the spray gun with sharp metal objects.**

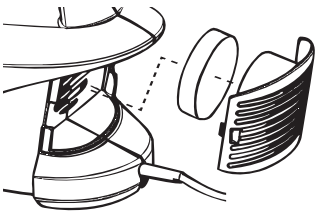
## MAINTENANCE

**You should inspect the air filter in the turbine to see if it is excessively dirty. If it is dirty, follow the steps below to replace it.**

1. Insert a straight-slot screwdriver through one of the slots in the rear of the turbine.
2. Pry the filter cover from the turbine.



3. Remove the dirty filter from the filter cover and replace with a new one. The smooth side of the air filter must be placed toward the turbine.



4. Secure the cover back onto the turbine.

**⚠CAUTION**

**Never operate your unit without the air filter. Dirt could be sucked in and interfere with the function of the unit.**



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# TROUBLESHOOTING

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| A. Little or no material flow | 1. Nozzle clogged. | 1. Clean. |
| | 2. Suction tube clogged. | 2. Clean. |
| | 3. Material volume setting turned too far to the right (-). | 3. Turn to the left (+). |
| | 4. Suction tube loose. | 4. Insert. |
| | 5. No pressure build up in container. | 5. Tighten container. |
| B. Material leaking | 1. Nozzle loose. | 1. Tighten. |
| | 2. Nozzle worn. | 2. Replace. |
| | 3. Nozzle seal worn. | 3. Replace. |
| | 4. Material build-up on air cap and nozzle | 4. Clean. |
| C. Atomization is too coarse | 1. Viscosity of material too high. | 1. Thin. |
| | 2. Material volume too large. | 2. Turn to the right (-). |
| | 3. Material volume setting too far to the left (+). | 3. Turn to the right (-). |
| | 4. Nozzle clogged. | 4. Clean. |
| | 5. Air filter clogged. | 5. Change. |
| | 6. Too little pressure build-up in container. | 6. Tighten container. |
| D. Spray jet pulsates | 1. Material in container running out. | 1. Refill. |
| | 2. Air filter clogged. | 2. Change. |
| E. Pattern runs or sags | 1. Applying too much material. | 1. Adjust material flow or increase movement of spray gun. |
| F. Too much overspray | 1. Gun too far from spray object. | 1. Reduce distance. |
| | 2. Too much material applied. | 2. Turn material volume setting to the right (-). |
| G. Pattern is very light and splotchy. | 1. Moving the spray gun too fast. | 1. Adjust material flow or decrease movement of spray gun. |

**Have you tried the recommendations above and are still having problems? In the United States, to speak to a customer service representative, call our Customer Service at 1-800-328-8251 Monday through Friday between 8:00 AM and 4:30 PM Central time. An automated Self-Help option is also available at 1-800-760-3844, seven days a week, twenty-four hours a day.**

## PRODUCT REGISTRATION CARD

Send in your product registration card or register online at www.wagnerspraytech.com. Proper registration will serve as proof of purchase in the event your original receipt becomes misplaced or lost. Returning this card will expedite the processing of your warranty. Be sure you write your unit's **date code** on the card before sending it. **The date code is located underneath the base of your unit (for example, S087R).** The additional information will also help us to develop new products that best meet your needs and desires.

## LIMITED WARRANTY
## HVLP PAINT SPRAY EQUIPMENT

This product, manufactured by Wagner Spray Tech Corporation (Wagner), is warranted against defects in material and work-manship for one year following date of purchase if operated in accordance with Wagner's printed recommendations and instructions. This warranty does not cover damage resulting from improper use, accidents, user's negligence or normal wear. This warranty does not cover any defects or damages caused by service or repair performed by anyone other than a Wagner Authorized Service Center.

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO ONE YEAR FOLLOWING DATE OF PURCHASE. WAGNER SHALL NOT IN ANY EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF THIS WARRANTY OR ANY OTHER REASON. THIS WARRANTY DOES NOT APPLY TO ACCESSORIES.

THIS PRODUCT IS DESIGNED FOR HOME USAGE ONLY. IF USED FOR COMMERCIAL OR RENTAL PURPOSES, THIS WARRANTY APPLIES ONLY FOR 30 DAYS FROM DATE OF PURCHASE.

If any product is defective in material and/or workmanship during the applicable warranty period, return it with proof of purchase, transportation prepaid to any Wagner Authorized Service Center. (Service Center listing is enclosed with this product.) Wagner's Authorized Service Center will either repair or replace the product (at Wagner's option) and return it to you, postage prepaid.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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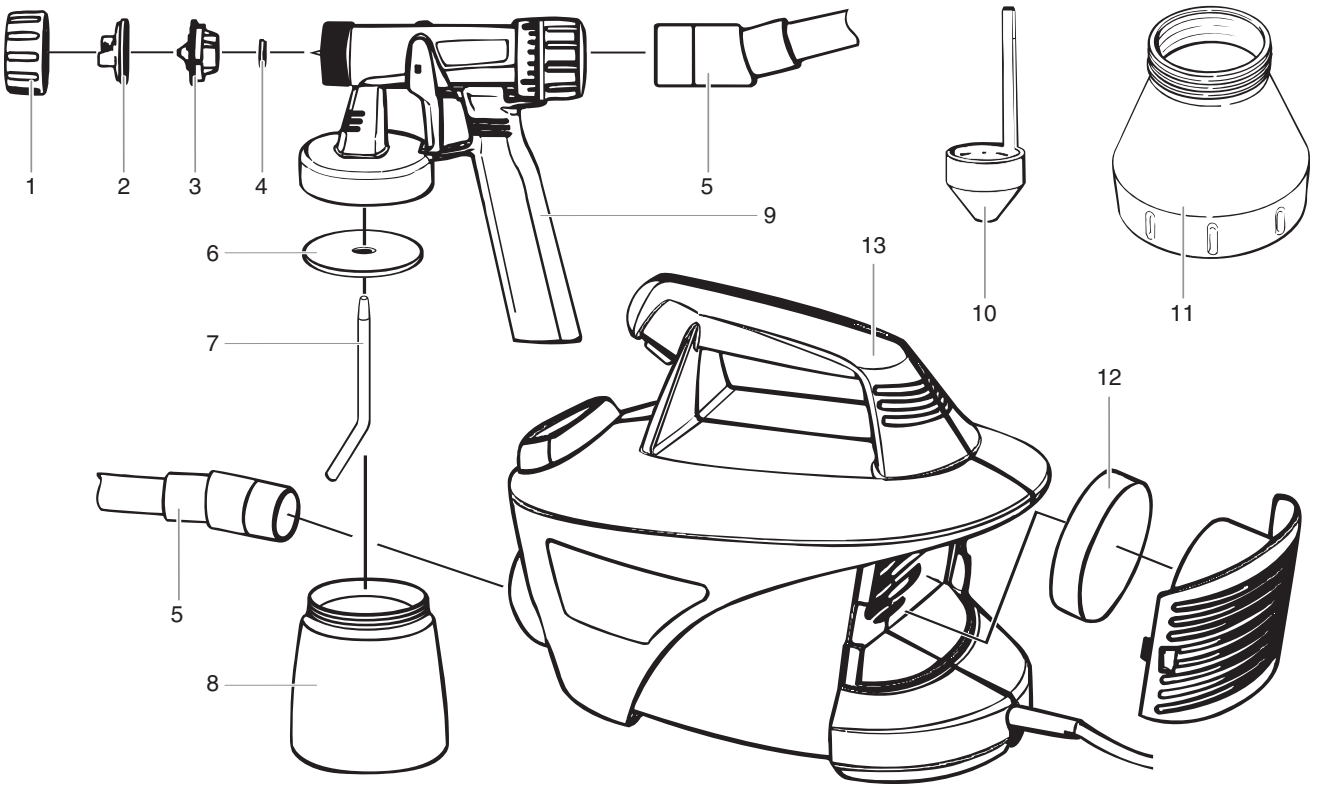
## PARTS LIST • LISTE DE PIÈCES • LISTA DE PIEZAS




**English**

| Item | Part # | Description | Quantity |
|---|---|---|---|
| 1 | 0414351 | Nut | 1 |
| 2 | 0414368 | Spray cap | 1 |
| 3 | 0414352 | Nozzle | 1 |
| 4 | 0414353 | Nozzle seal | 1 |
| 5 | 0414219 | Air hose | 1 |
| 6 | 0414364 | Container seal | 1 |
| 7 | 0414363 | Suction tube | 1 |
| 8 | 0414332 | Container | 1 |
| 9 | 0414201 | Spray gun (includes parts 1-4 and 6-9) | 1 |
| 10 | 0202303 | Viscosity cup | 1 |
| 11 | 0414336 | Plastic container | 1 |
| 12 | 9.995-617 | Air filter* | 1 |
| 13 | 0414210 | Turbine | 1 |

* Replacement parts available by calling customer service.

**Español**

| Artículo | Pieza No. | Descripción | Cantidad |
|---|---|---|---|
| 1 | 0414351 | Tuerca | 1 |
| 2 | 0414368 | Tapa de aire | 1 |
| 3 | 0414352 | Boquilla | 1 |
| 4 | 0414353 | Sello de boquilla | 1 |
| 5 | 0414219 | Manguera de aire | 1 |
| 6 | 0414364 | Sello del recipiente | 1 |
| 7 | 0414363 | Tubo de succión | 1 |
| 8 | 0414332 | Recipiente | 1 |
| 9 | 0414201 | Pistola (incluye piezas 1-4, y 6-9) | 1 |
| 10 | 0202303 | Cubeta de viscosidad | 1 |
| 11 | 0414336 | Recipiente de la plastico | 1 |
| 12 | 9.995-617 | Filtro de aire* | 1 |
| 13 | 0414210 | Turbina | 1 |

* Los repuestos están disponibles llamanado al servicio a clientes.

**Français**

| Article | N° de pièce | Description | Qté |
|---|---|---|---|
| 1 | 0414351 | Écrou | 1 |
| 2 | 0414368 | Capot d'air | 1 |
| 3 | 0414352 | Buse | 1 |
| 4 | 0414353 | Joint de buse | 1 |
| 5 | 0414219 | Flexible d'air | 1 |
| 6 | 0414364 | Joint de godet | 1 |
| 7 | 0414363 | Tube d'aspiration | 1 |
| 8 | 0414332 | Godet | 1 |
| 9 | 0414201 | Pistolet (inclut des pièces 1-4 et 6-9) | 1 |
| 10 | 0202303 | Viscosimètre | 1 |
| 11 | 0414336 | Godet de plastique | 1 |
| 12 | 9.995-617 | Filtre à air* | 1 |
| 13 | 0414210 | Turbine | 1 |

* On peut obtenir des pièces de rechange en appelant le Service à la clientèle

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